

**\*USAF Declass/Release Instructions On File\***

Approved For [REDACTED]

70033-1

25X1C4e

STANDING OPERATING PROCEDURE  
NUMBER 45-3144-8

9 November 1966

SAMPLING FOR SPECTROMETRIC OIL ANALYSIS

1. PURPOSE: To establish and define sampling responsibilities in support of the USAF Spectrometric Oil Analysis Program (SOAP).

3. GENERAL: Because of the various types of aircraft that must be sampled, certain responsibilities must be assigned to different organizations on base. To make this program a success, it is imperative that all concerned fulfill his responsibility to this directive.

4. PROCEDURE:

a. [REDACTED] will draw all PWA-524 oil samples from J-58 and J-75 engines. T.O. 42B2-1-9, Manuals 2J-J58-16 and SR-71-2-2 will be used inclusive for procedures and sampling frequencies. After sampling is completed, the sample, along with both copies of AFTO Form 119, will be turned into Base Fuels Quality Control for submission to Wright Patterson AFB.

b. [REDACTED] when samples are to be drawn and supply [REDACTED] with all information needed to complete AFTO Form 119. This information is needed at time of sampling.

c. Aircraft Maintenance will draw all oil samples from their own aircraft, F-101, C-130, U-3B, T-33, and H-43. T.O. 42B2-1-9 and current publications covering specific aircraft will be used inclusive for procedures and sampling frequencies. After sampling is completed, the sample, along with both AFTO Forms 119 completed, will be turned into Base Fuels Quality Control for submission to Wright Patterson AFB.

d. POL will accept oil sample from issuing activity, assign a sample number to it, record necessary information in a permanent log, and send sample with one copy of AFTO Form 119 to Wright Patterson for analysis. The second copy of AFTO Form 119 will be filed and maintained by Base Fuels Quality Control for a period of two years.

e. AFTO Form 119 will be filled out as follows:

- (1) To: SAOQLA, Attn: [REDACTED]
- (2) Sample Number: Left Blank

OPR: DCMP

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(3) Section I, (D) Operating Activity: BW-3.

(4) Only the second copy of AFTO Form 119 will be signed by person actually extracting sample from engine.

(5) Aircraft Maintenance will fill in the remaining information as outlined on page 2-9, T.O. 42B2-1-9.

(6) All AFTO Forms 119 submitted from J-58 engines will have aircraft, model and serial number omitted. Information needed in blocks 3, 4, 5, 6, and 7 of section IIIB and block D of section II will also be omitted.

(7) Both completed forms will be submitted to Base Fuels Quality Control along with sample.

f. Sampling activity will be responsible for obtaining sample bottle kits through Base Supply.

25X1A5a1 g. Results on all J-58 engine oil samples will be forwarded from Wright Patterson Lab to [REDACTED]

25X1C4e h. Results of engine oil samples taken from support aircraft will be returned to [REDACTED] Attn: Fuels Staff Officer.

25X1A9a [REDACTED]

Deputy Commander for Materiel

25X1A9a [REDACTED]  
Colonel, USAF  
Commander